


ECE 530 Cloud Computing


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Common Cloud Vendors





Services ▾
Resource Groups ▾
★



Mary Major ▾
Oregon ▾
Support ▾

AWS services


Find a service by name or feature (for example, EC2, S3 or VM, storage).

Recently visited services


All services


Compute


EC2
EC2 Container Service
Lightsail
Elastic Beanstalk
Lambda
Batch


Developer Tools


CodeStar
CodeCommit
CodeBuild
CodeDeploy
CodePipeline
X-Ray


Internet of Things


AWS IoT
AWS Greengrass


Storage


S3
EFS
Glacier
Storage Gateway


Management Tools


CloudWatch
CloudFormation
CloudTrail
Config
OpsWorks
Service Catalog
Trusted Advisor
Managed Services


Game Development


Amazon GameLift


Database


RDS
DynamoDB
ElastiCache
Amazon Redshift


Mobile Services


Mobile Hub
Cognito
Device Farm
Mobile Analytics
Pinpoint


Security, Identity & Compliance


IAM
Inspector
Certificate Manager
Directory Service
WAF & Shield
Artifact
Amazon Macie
CloudHSM


Application Services


Step Functions
SWF
API Gateway
Elastic Transcoder


Networking & Content Delivery


VPC
CloudFront
Direct Connect
Route 53


Messaging


Simple Queue Service
Simple Notification Service
Simple Email Service


Migration

AWS Migration Hub
Application Discovery Service
Database Migration Service
Server Migration Service
Snowball



Analytics

Athena
EMR
CloudSearch
Elasticsearch Service
Kinesis



Business Productivity

WorkDocs
WorkMail
Amazon Chime

Helpful tips


Manage your costs

Get real-time billing alerts based on your cost and usage budgets. [Start now](#)


Create an organization

Use AWS Organizations for policy-based management of multiple AWS accounts. [Start now](#)

Explore AWS

Apache MXNet

Get started with the most scalable framework for deep learning in the cloud. [Learn more](#)

Build Applications with AWS Lambda

Run and scale code for Python, Node.js, Java, or C# without provisioning or managing servers. [Learn more](#)

Amazon DynamoDB

Fast and flexible NoSQL database service for any scale. [Learn more](#)

AWS Marketplace

Discover, procure, and deploy popular software products that run on AWS. [Learn more](#)

Have feedback?

[Submit feedback](#) to tell us about your experience with the AWS Management Console.

AWS named as a leader in the IaaS Magic Quadrant

Figure 1. Magic Quadrant for Cloud Infrastructure as a Service, Worldwide



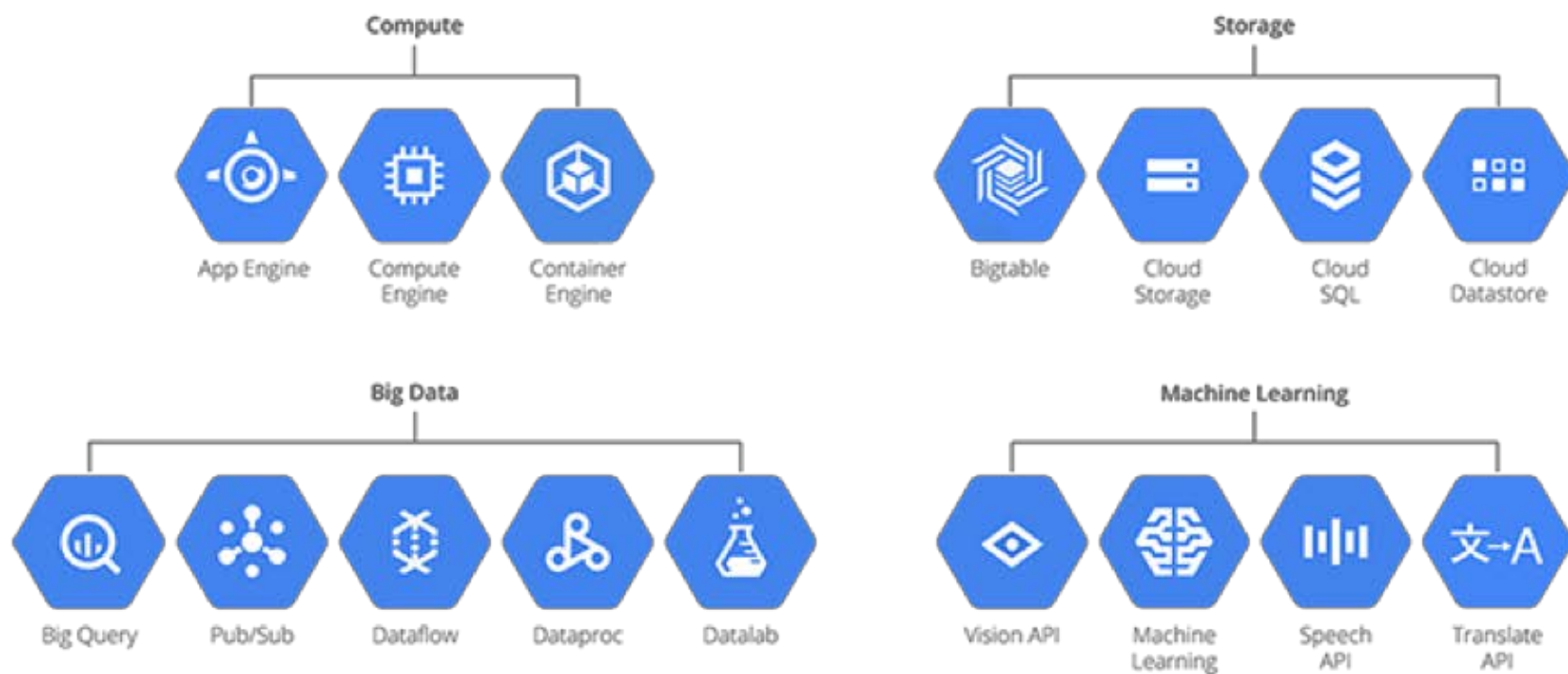
Amazon Web Services

- Officially Launched in 2006
- Amazon Web Services (AWS) began offering IT infrastructure services to businesses in the form of web services.
- Amazon Web Services has datacenters in U.S., Europe, Brazil, Singapore, Japan, and Australia
- AWS provides a highly reliable, scalable, low-cost infrastructure platform in the cloud that powers hundreds of thousands of businesses in 190 countries around the world.

Short History about AWS

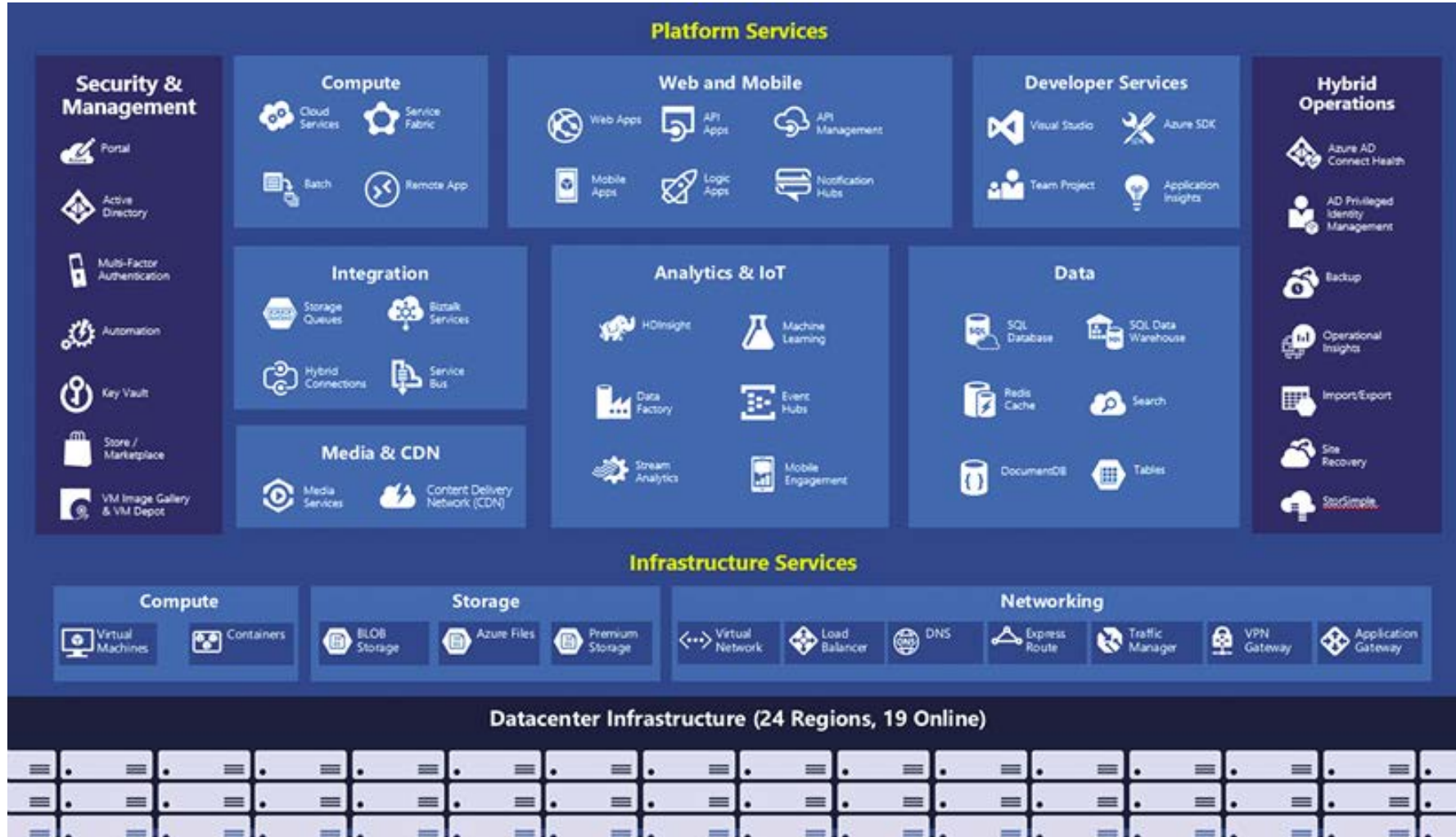
- 2003: Benjamin Black and Chris Pinkman presented a paper that envisioned Amazon's retail computing infrastructure:
 - Automated, standardized, and relied on web services
- 2004: Simple Queue Service: first service launched
- 2007 over 180,000 developers on the platform
- 2010 all of amazon.com moved over
- 2011: Some parts of AWS suffered major outages. A part of that utilizes EBS was stuck and unable to take reads/writes.
- 2012 first Re-Invent conference
- 2020 Amazon promises to achieve 100% renewable energy.

Google Cloud Platform



Google Cloud History

- **April 2008** - Google App Engine announced in preview
- **May 2010** - Google Cloud Storage launched
- **June 2012** - Google Compute Engine is launched in preview



Microsoft Azure History

- October 2008 ([PDC](#) LA) – Announced the Windows Azure Platform
- February 1, 2010 – Windows Azure Platform commercially available
- November 2014 – Outage affecting major websites including MSN.com